

Patent claims

1. A method for determining field strength in a mobile radio system which has the following method steps:

- data are alternately transmitted and received in timeslots (f_k , f_{k+1}), where a timeslot (f_k , f_{k+1}) comprises at least one time interval for transmitting or receiving a data block (TX, RX), and
- the reception field strength (RSSI) is measured directly before (A, B) or directly after (C, D) transmission or reception of the data block (RX, TX).

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2. A method as claimed in patent claim 1, wherein the mobile radio system uses a frequency hopping method.

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3. The method as claimed in claim 1, wherein the frequency hopping method is an adaptive frequency hopping method.

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4. The method as claimed in claim 3, wherein if the measured reception field strength or a value derived therefrom is greater than a prescribable threshold value, then that radio channel for which the measurement was performed is suppressed as part of an adaptive frequency hopping method.

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5. The method as claimed in one of claims 1 to 4, wherein the reception field strength is measured directly before transmission or reception (A, B) of a data block (RX, TX) and at the end, but still during a transient

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phase (RS, TS) of locking onto a new frequency in the mobile radio system.

6. The method as claimed in one of claims 1 to 5,
5 wherein
the field strength determination is performed in a Bluetooth mobile radio system.